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| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 10/653,667  | 09/02/2003  | Sung-Dae Lee         | 678-1022            | 4624             |
| 66547 7590 05/19/2008<br>THE FARRELL LAW FIRM, P.C.<br>333 EARLE OVINGTON BOULEVARD<br>SUITE 701<br>UNIONDALE, NY 11553 |             |                      |                     |                  |
| EXAMINER  |             |                      |                     |                  |
| VU, KIEU D  |             |                      |                     |                  |
| ART UNIT  |             | PAPER NUMBER         |                     |                  |
| 2175  |             |                      |                     |                  |
| MAIL DATE   |             | DELIVERY MODE        |                     |                  |
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/653,667

**Applicant(s)**

LEE, SUNG-DAE

**Examiner**

KIEU D. VU

**Art Unit**

2175

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 April 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 7-28 is/are pending in the application.
- 4a) Of the above claim(s) 18-28 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 7-15 is/are allowed.
- 6) ☒ Claim(s) 16 and 17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/CDC)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_
- Paper No(s)/Mail Date \_\_\_\_\_

Art Unit: 2175

### DETAILED ACTION

1. This Office Action is responsive to the After Final Amendment filed on 04/23/08.
2. The indicated allowability of claims 16-17 is withdrawn in view of the newly discovered reference(s) to Masumoto (GB 2355563). Rejections based on the newly cited reference(s) follow.

#### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 16-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bitzer (US 2006/0167677), Hill et al ("Hill", US 6023714), and Masumoto (GB 2355563).

Regarding claim 16, Bitzer teaches a method of supporting multiple languages for a mobile communication terminal in a communication system including a mobile communication network, a multiple language contents provider server (MLCPS) connected to the mobile communication network and including multiple language contents (Fig. 5 shows a network in which data language package can be downloaded to the mobile communication terminal) ([0032]), and the mobile communication terminal wirelessly connected to the mobile communication network ([0053]), the method comprising the steps of:

Art Unit: 2175

transmitting language package request data to the MLCPS through the mobile communication network according to a language request of a user of the mobile communication terminal (user's requesting the download of a language package, receives language package information provided from the MLCPS (reception of the language package) ([0054]). Bitzer does not teach including at least one string set version and one font set version; dividing the downloaded language package information into a string set and a font set; managing the string set and the font set. However, such feature is known in the art as taught by Hill. Hill teaches formatting data in accordance with constraints of the display device (col. 2, lines 15-24). Hill further teaches including string set (text), font set and managing the string set and font set (col. 2, lines 40-55) (line 46 of col. 6 to line 4 of col. 7). It would have been obvious to one of ordinary skill in the art, having the teaching of Bitzer and Hill before him at the time the invention was made, to include Hill's teaching in Bitzer's language package to ensure that the received language package is compatible with the mobile terminal. Hill and Bitzer do not teach when language package information provided from the MLCPS is downloaded, comparing the string set version and the language code of the language package with previously stored string set version and language code, selectively registering a string set pointer corresponding to a language code in a language table of a memory, and selectively storing downloaded strings in a file storage region of a memory designated by a string set pointer corresponding to the language code; determining whether a font set exists in the language package; and when the font set exists in the language package, comparing a font

Art Unit: 2175

set version of the language package with a previously stored font set version, selectively registering a font set pointer corresponding to a language code in a language table of a memory, and selectively storing downloaded fonts in a file storage region of a memory designated by a font set pointer corresponding to the language code. However, such feature is known in the art as taught by Matsumoto. Matsumoto teaches comparing the string set version and the language code of the language package with previously stored string set version and language code, selectively registering a string set pointer corresponding to a language code in a language table of a memory, and selectively storing downloaded strings in a file storage region of a memory designated by a string set pointer corresponding to the language code; determining whether a font set exists in the language package; and when the font set exists in the language package, comparing a font set version of the language package with a previously stored font set version, selectively registering a font set pointer corresponding to a language code in a language table of a memory, and selectively storing downloaded fonts in a file storage region of a memory designated by a font set pointer corresponding to the language code (pages 10-12). It would have been obvious to one of ordinary skill in the art, having the teaching of Bitzer, Hill, and Matsumoto before him at the time the invention was made, to include Matsumoto's teaching in Bitzer's system so that the font and text downloaded can be stored for later use.

Regarding claim 17, Bitzer, as modified by Hill and Matsumoto, teaches display menus and messages on a terminal display in the language selected by

Art Unit: 2175

the user using strings and fonts stored in a file storage region of the memory.(Fig. 3, Fig. 5).

***Allowable Subject Matter***

5. Claims 7-15 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kieu D. Vu. The examiner can normally be reached on Mon - Thu from 7:00AM to 3:00PM at 571-272-4057.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Bashore, can be reached at 571-272-4088.

The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

571-273-8300

and / or:

571-273-4057 (use this FAX #, only after approval by Examiner, for "INFORMAL" or "DRAFT" communication. Examiners may request that a formal paper / amendment be faxed directly to them on occasions).

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR

Art Unit: 2175

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Kieu D Vu/

Primary Examiner, Art Unit 2175